

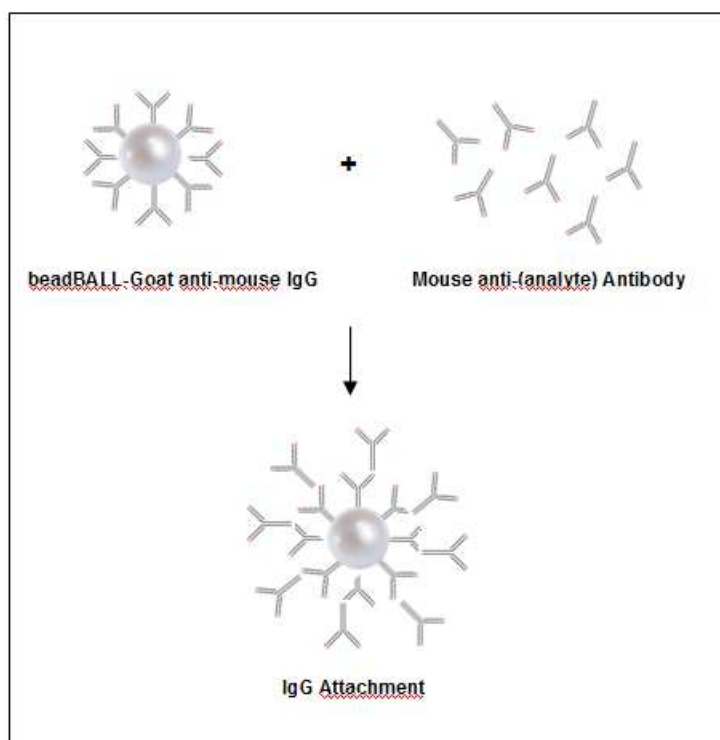
Antibody binding protocol to beadBALL-Goat anti-mouse IgG

Introduction:

beadBALL-Goat anti-mouse IgG is designed as a powerful tool for binding of mouse IgG's.

The goat anti-mouse IgG's are covalently coupled to the microspheres and can be used for an efficient method for the attachment of a mouse antibody (analyte) and are applicable for cell enrichment from a heterogeneous cell suspension.

beadBALL-Goat anti-mouse IgG is suitable in radio- and enzyme immunoassays which utilize a primary mouse IgG monoclonal antibody.



Equipment and reagents:

- **beadBALL-Goat anti-mouse IgG:**
(10 mg/ml in PBS, 0.05% sodium azide)
- **Wash & Binding buffer (W & B buffer):**
PBS, pH 7.4
- **Elution buffer:**
0.1 M Glycine-HCl, pH 2.5
- **Microcentrifuge**
- **Binding capacity:**
~ 0.2 mg mouse IgG / mg **beadBALL-Goat anti-mouse IgG**

Protocol:

The following protocol describes the coupling of antibodies on 10 mg microspheres. The procedure can be scaled up by adjusting volumes of required reagents.

1. Transfer 1 ml **beadBALL-Goat anti-mouse IgG** microspheres in a 2 ml microcentrifuge tube, add 1 ml **W & B buffer** and centrifuge for 1 minute at 500 x g. Remove the supernatant and repeat this step twice. Resuspend the microspheres in 0.5 ml **W & B buffer**.
2. Add your antibody solution (max. volume 0.5 ml) with a required amount of the antibody based on the binding capacity of the microspheres.
3. Incubate at room temperature for one hour with gentle mixing.
4. Add 1 ml **W & B buffer** vortex for 5 seconds, spin down, remove the supernatant and repeat the washing step three times.
5. After the last wash, resuspend the antibody coated microspheres in a desired volume of **W & B buffer**.
6. Microspheres are now ready for the desired application or store at 4°C.
7. Optional: To recover the mouse antibody (analyte), suspend the antibody coated microsphere complex in **Elution buffer** and incubate at room temperature for 15 minutes with gentle mixing. Spin down and remove the supernatant, containing analyte, in a fresh tube.